

# Mineral Industry Surveys

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## MANGANESE IN MAY 2000

In May, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was 38,400 metric tons, which was an increase of about 4% compared with the revised figure of 36,800 tons for the previous month, according to the U.S. Geological Survey. This brought the revised year-to-date total to 192,000 tons. The figures for May increase to 42,600 tons and 213,000 tons when estimates for annual respondents are added on the basis of 1998 data. Corresponding industry stocks of ore at the end of the month were 197,000 tons, which includes an estimate for annual respondents on the basis of 1998 data. This was a decrease of about 9% compared with the revised corresponding figure of 217,000 tons for stocks at the end of April.

Data for domestic consumption and stocks of manganese ferroalloys and metal in 1999 will appear in a subsequent monthly report.

Foreign trade data for May will appear in a subsequent report. The data for April tabulated in this report indicate that exports of silicomanganese were the least since December 1990. **Note:** For early availability, the trade data appearing in this report are being placed on MINES FaxBack in preliminary form. The data for April were placed on FaxBack as of June 27. The FaxBack document number for the May trade data will be 420205.

On the basis of a full 5-year review, the U.S. International Trade Commission determined that revocation of the antidumping duty orders on electrolytic manganese dioxide (EMD) from Greece and Japan would be unlikely to cause material injury to a domestic industry in the reasonably foreseeable future (U.S. International Trade Commission, 2000a, b). Accordingly, the International Trade Administration (ITA) of the U.S. Department of Commerce

revoked these antidumping duty orders effective January 1, 2000 (International Trade Administration, 2000). The ITA said, however, that it would complete pending administrative reviews of these orders and conduct reviews of EMD imported prior to January 1, if appropriately requested to do so.

The Defense National Stockpile Center of the Defense Logistics Agency, U.S. Department of Defense, reported for May no disposals of manganese materials from the National Defense Stockpile. This was the first month since December 1999 that no disposals were reported.

Conclusion toward the end of the month of negotiations between Samancor Ltd. and Japan's Nippon Steel Corp. effectively increased by about 7% the international benchmark price for metallurgical-grade ore with a manganese content of 48%. New prices for delivery of high-grade lumpy ore during the Japanese 2000 fiscal year that began April 1 were set that were higher by \$0.13 per metric ton unit, f.o.b.—\$2.03 for ore from Australia and \$1.94 for ore from South Africa. The increase ended a 3-year slide in ore price (TEX Report, 2000).

## References Cited

- International Trade Administration, 2000, Revocation of antidumping duty orders—Electrolytic manganese dioxide from Greece and Japan: Federal Register, v. 65, no. 105, May 31, p. 34661.
- TEX Report, 2000, Australian Mn-ore price for 2000 FY is risen by 6.8%: TEX Report, May 25, p. 4.
- U.S. International Trade Commission, 2000a, Electrolytic manganese dioxide from Greece and Japan: Federal Register, v. 65, no. 96, May 17, p. 31348.
- 2000b, Electrolytic manganese dioxide from Greece and Japan: U.S. International Trade Commission Publication 3296, May, variously paginated.

TABLE 1  
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
1999: 3/						
April	22,100	39,800	61,800	24	1,250	1,280
January-April	82,100	169,000	251,000	207	5,760	5,970
2000:						
January	17,200 4/	27,600 4/	44,800	144	926	1,070
February	25,900 4/	38,100	64,000	202	1,380	1,580
March	17,700 4/	56,300 4/	74,000	383 4/	1,000	1,390
April	19,500 4/	38,600 4/	58,100	1,140 4/	937	2,080
Total	80,400	161,000	241,000	1,870	4,250	6,120

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ Data may include revisions by the Bureau of the Census.

4/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN APRIL 2000 1/

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	5,090	3,380	\$2,520,000	16,900	11,200	\$8,200,000
Brazil	15	12	20,400	15	12	20,400
Bulgaria	--	--	--	2,450	1,590	1,030,000
France	--	--	--	1,350	918	636,000
India	6,130	4,140	2,740,000	19,200	12,600	8,120,000
Kazakhstan	5,460	3,690	2,460,000	20,300	13,800	9,720,000
Mexico	--	--	--	15,300	8,740	6,980,000
Norway	--	--	--	1,400	848	953,000
Romania	--	--	--	4,040	2,640	1,830,000
South Africa	2,500	408 2/	1,080,000	32,300	20,500	14,500,000
Venezuela	4,200	2,860	1,900,000	6,600	4,430	2,970,000
Total	23,400	14,500	10,700,000	120,000	77,200	54,900,000
Total, general imports	23,400	14,500	10,700,000	120,000	77,200	54,900,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 3  
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN APRIL 2000 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Low carbon:						
China	92	80	\$96,800	609	557	\$683,000
Italy	890	764	937,000	2,250	1,940	2,450,000
Japan	228	197	257,000	4,250	3,550	3,420,000
Mexico	--	--	--	30	27	50,600
Norway	--	--	--	21	17	10,300
South Africa	20	18	35,000	470	444	768,000
Ukraine	--	--	--	240	228	275,000
Total, low carbon	1,230	1,060	1,330,000	7,870	6,760	7,660,000
Total, general imports of low carbon	1,230	1,060	1,330,000	7,870	6,760	7,660,000
Medium carbon, 1%-2% C:						
Mexico	59	44	51,200	6,880	5,540	4,150,000
Norway	504	408	250,000	504	408	250,000
South Africa	459	373	282,000	4,460	3,640	2,620,000
Total, m.c., 1%-2% C	1,020	825	582,000	11,800	9,590	7,020,000
Total, general imports of m.c., 1%-2% C	1,020	825	582,000	11,800	9,590	7,020,000
Medium carbon, 2%-4% C:						
South Africa	4	3	2,530	24	19	13,300
Total, m.c., 2%-4% C	4	3	2,530	24	19	13,300
Total, general imports of m.c., 2%-4% C	4	3	2,530	24	19	13,300
High carbon:						
Australia	1,410	1,070	555,000	10,600	8,080	3,910,000
Brazil	2,810	2,160	1,200,000	2,810	2,160	1,200,000
Canada	--	--	--	36	28	26,200
France	12,000	9,600	5,620,000	23,900	19,000	10,700,000
South Africa	10,300	8,020	3,920,000	41,500	32,200	15,200,000
Total, high carbon	26,500	20,800	11,300,000	78,800	61,500	31,000,000
Total, general imports of high carbon	26,500	20,800	11,300,000	78,800	61,500	31,000,000
Grand total	28,800	22,700	13,200,000	98,600	77,900	45,700,000
Grand total, general imports	28,800	22,700	13,200,000	98,600	77,900	45,700,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 4  
U.S. IMPORTS OF MANGANESE ORE (20% OR MORE Mn) IN APRIL 2000 1/ 2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Belgium	18 3/	6 3/	--	--	18	6
Gabon	--	--	33,700	16,900	33,700	16,900
India	18 3/	112 3/	--	--	18	112
Mexico	205	90	--	--	205	90
Total	241	208	33,700	16,900	33,900	17,100
Year to date:						
Australia	--	--	1,290	722	1,290	722
Belgium	18	6	--	--	18	6
Brazil	7,030	3,250	--	--	7,030	3,250
Gabon	25,400	11,200	106,000	52,700	131,000	63,900
India	35	223	--	--	35	223
Mexico	2,680	1,960	--	--	2,680	1,960
Morocco	--	--	20	11	20	11
Total	35,200	16,600	107,000	53,400	142,000	70,100

-- Zero.

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 5  
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN APRIL 2000 1/

(Metric tons, gross weight, unless otherwise specified)

Source	Manganese dioxide				Manganese metal			
	Quantity	Customs value	Year to date		Unwrought		Other	
			Quantity	Customs value	Quantity	Year to date	Quantity	Year to date
Australia	1,740	\$2,680,000	9,170	\$13,000,000	--	--	--	--
Belgium	73	115,000	239	393,000	--	--	--	--
Brazil	9	18,200	9	18,200	--	--	--	--
China	--	--	42	46,900	328	922	15	90
France	--	--	--	--	--	--	11	42
Germany	16	97,800	41	208,000	82	163	--	8
Greece	--	--	148	195,000	--	--	--	--
India	--	--	--	--	--	--	1	1
Ireland	773	1,030,000	3,210	4,400,000	--	--	--	--
Japan	--	--	--	--	--	--	(2/)	5
Netherlands	--	--	--	--	--	69	10	33
South Africa	1,430	2,010,000	4,210	5,930,000	833	3,830	--	--
Taiwan	--	--	--	--	--	--	--	18
United Kingdom	--	--	111	164,000	76	267	--	--
Venezuela	--	--	--	--	--	--	--	18
Total	4,040	5,950,000	17,200	24,400,000	1,320	5,250	37	214
Total, general imports	4,040	5,950,000	17,200	24,500,000	1,300	5,250	37	214

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Note: Imports for consumption of metallic manganese waste and scrap totaled 8 tons, all of which was from Canada, to give a year-to-date total of 73 tons.

Source: Bureau of the Census.

TABLE 6  
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE,  
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN 2000 1/

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal 2/	
	April	Year to date	April	Year to date	April	Year to date	April	Year to date
Australia	--	142	--	--	--	--	--	--
Belgium	--	--	--	--	--	--	--	19
Brazil	--	22	--	--	--	--	--	--
Canada	326	1,490	528	2,620	21	870	159	412
Chile	--	--	--	--	--	--	--	4
Colombia	--	--	--	--	--	--	--	8
Finland	--	--	--	--	--	--	12	24
France	--	--	--	--	4	4	--	--
Germany	1,020 3/	1,020	--	--	--	--	--	--
Hong Kong	--	--	--	--	--	--	1	2
Italy	--	--	--	--	--	--	--	18
Japan	--	--	--	--	--	--	57	103
Korea, Republic of	--	--	--	--	--	--	(4/)	3
Mexico	938 3/	1,070	17	76	57	314	(4/)	62
Netherlands	--	--	--	--	--	--	--	18
Peru	--	--	--	--	--	--	1	1
Taiwan	--	--	--	--	--	--	--	30
United Kingdom	--	--	--	--	--	--	16	17
Total	2,280	3,740	545	2,690	83	1,190	247	723

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

4/ Less than 1/2 unit.

Note: Exports of ferromanganese with more than 2% carbon totaled 258 tons, all of which went to Canada, to give a year-to-date total of 773 tons.

Source: Bureau of the Census.

TABLE 7  
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN APRIL 2000, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/	Year to date		Principal sources and destinations: gross weight (metric tons); value (thousands) 2/
				Gross weight (metric tons)	Value 2/ (thousands)	
Imports for consumption:						
Manganese oxides other than dioxide	195	\$135	Mexico 150; \$47	425	\$522	Mexico 210; \$68
Sulfates, basket category, including manganese sulfate	2,750	1,520	China 1,030; \$272	14,100	7,620	Mexico 6,820; \$3,280
Potassium permanganate	145	291	Czech Republic 88; \$168	516	1,000	Czech Republic 242; \$468
Manganites, manganates, and other permanganates	(3/)	3	Canada (3/); \$3	(3/)	3	Canada (3/); \$3
Exports:						
Manganese dioxide	298	402	Canada 126; \$39	1,150	1,300	Canada 611; \$237
Manganese oxides other than dioxide	819	761	Canada 302; \$115	3,070	3,290	Canada 1,260; \$492
Sulfates, basket category, including manganese sulfate	2,370	1,500	Canada 1,620; \$447	8,510	4,390	Canada 6,850; \$2,110
Potassium permanganate	71	150	Canada 19; \$37	402	764	Mexico 110; \$157
Manganites, manganates, and other permanganates	36	159	Nicaragua 19; \$32	71	400	United Kingdom 23; \$155

-- Zero.

1/ Data are rounded to no more than three significant digits.

2/ For imports, Customs value; for exports, f.a.s. value.

3/ Less than 1/2 unit.

Source: Bureau of the Census.